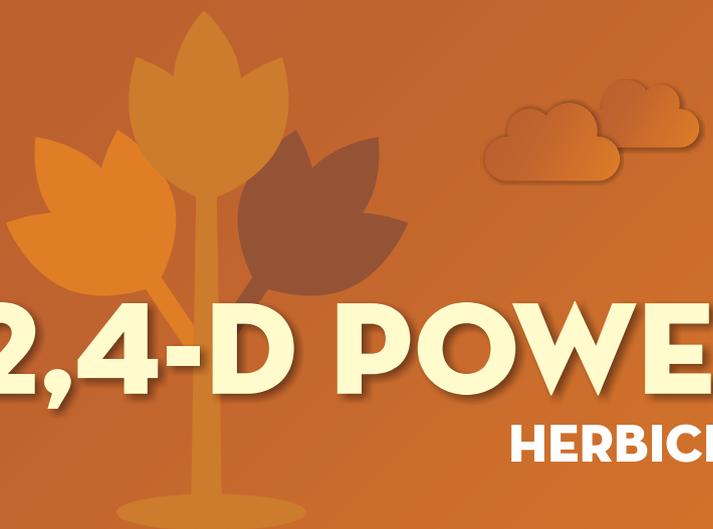




GLOBAL AGRICHEM

HARMFUL · CORROSIVE · ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



2,4-D POWER[®]

HERBICIDE

Non-volatile 2,4-D soluble granules for broadleaf weed control in cereals and pasture.

ACTIVE INGREDIENT: 800g/kg 2,4-D as the dimethylamine salt in the form of a water soluble granule (SG).

NET CONTENTS: 10 KG



TOXICITY:

TOXIC: May cause organ damage from repeated oral exposure at high doses.
HARMFUL: May be harmful if swallowed, inhaled or absorbed through the skin.
 May cause mild skin irritation or skin sensitization from prolonged skin contact.
 May cause eye irritation.

ECOTOXICITY:

Very toxic to aquatic organisms with long-lasting effects.
 Very toxic to the soil environment.
 Toxic to terrestrial vertebrates.
 Avoid contamination of any water supply with product or empty container. Application to drains, ditches and irrigation channels must only be made when these waterways are dry and at least one month is allowed to elapse before the channels are used to carry water.
 Very toxic to aquatic organisms with long-lasting effects.
 Very toxic to the soil environment.
 Toxic to terrestrial vertebrates.
 Avoid contamination of any water supply with product or empty container. Application to drains, ditches and irrigation channels must only be made when these waterways are dry and at least one month is allowed to elapse before the channels are used to carry water.

PRECAUTIONS:

When handling wear eye protection, waterproof gloves, boots and overalls, Avoid skin and eye contact. Avoid inhalation. Do not eat drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

APPROVED HANDLER:

This product must be under the control of an approved handler during use.
 This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

STORAGE:

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilizers. Storage must be in accordance with NZS8409 Management of Agrichemicals. Stores containing 100kg of the product are subject to signage and more than 1000kg require emergency response plans.

SPILLAGE:

Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without generating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

EQUIPMENT:

Apply using well maintained spray equipment that is accurately calibrated to apply 100-300 litres of water/ha for ground spraying and 30-100 litres of water/ha for aerial spraying. Use higher water rates for larger weeds.

DISPOSAL:

Burn empty container in an appropriate incinerator if circumstances such as wind direction permit. Otherwise crush and bury in a suitable landfill.
 Dispose of product only by using according to the label, or at an appropriate landfill.

FIRST AID: If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 774676) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

TRANSPORT: Do not carry this product on a passenger service vehicle.

RECORD KEEPING: Records, as described in the current NZS8409 Management of Agrichemicals, must be kept whenever 2,4-D POWER is used.

MIXING: Add two thirds of the required quantity of the water to the spray tank. With the agitation system going, add the product to the spray tank. Agitate for 3-5 minutes while adding remaining water. Ensure 2,4-D POWER is completely dissolved before spraying.

EQUIPMENT CLEANING: Flush equipment thoroughly with clean water after use. If the spray unit which has applied 2,4-D POWER is to be used for the application of other chemicals to sensitive crops, ensure the unit is completely decontaminated.

COMPATIBILITY: 2,4-D POWER is compatible with most other agricultural chemicals. 2,4-D POWER may be incompatible with some foliar fertilizers, especially where water rates below 50L/ha are used. If compatibility is unknown, make up a small test batch before mixing large quantities. 2,4-D POWER is not compatible with Reaction 9.5-6 or Reaction 14.4-4.

RESISTANT WEEDS WARNING: Naturally occurring biotypes resistant to 2,4-D POWER and other phenoxy herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include nodding thistle, giant buttercup and slender winged thistle. To prevent development of resistant weeds use 2,4-D POWER in tank mixes where appropriate, and/or in rotations with herbicides having a different mode of action against the weed.

GENERAL COMMENTS: 2,4-D POWER is damaging to clovers, especially red, sucking and subterranean clover, and plantain and chicory. To minimize clover damage where clovers are actively growing, hard graze to remove as much clover leaf as possible before spraying. Do NOT spray hay or silage paddocks. After spraying with 2,4-D POWER, poisonous plants (e.g. ragwort) may become more palatable. Stock should be kept away from the area until the plants have died down. 2,4-D POWER will control a wide range of pasture weeds. Weeds are best controlled as small seedlings. Use the lower rate on seedlings and the higher rate on larger weeds or during periods of hardened growth. Do not apply if crop or weeds are stressed. Weed control may be unsatisfactory where low soil temperatures inhibit plant growth. Larger plants and established biennials are often not well controlled, and perennial plants are not well controlled. Buttercups and thistles are generally better controlled with MCPA. Some weeds (e.g. Californian thistle, bindweed) require repeat applications. To improve control of large thistles, or phenoxy resistant thistles add the herbicide clopyralid (300g/litre) at a dose rate of 100ml/ha. Clopyralid will severely suppress clover growth and clovers may take 6-12 months to recover.

WEEDS CONTROLLED:

2,4-D POWER controls or severely checks the following:

Allseed, apple of Peru, Bathurst burr, bitter cress, black nightshade, burdock, bur medick, buttercups, Canadian fleabane, catseye, charlock, chicory, combined crasses, dandelion, dove's foot, fathen, field bindweed, foxglove, groundsel, hawkbit, hawksbeard, hawkweed, hedge mustard, mouse-ear chickweed, nettles, longnose, parsley dogwort, penny cress, pennyroyal, pipiriri, plantains, ragwort, red dead nettle, redroot, selfheal, shepherd's spue, storkbill, thistles, twin cress, vetch, wart cress, wild mustard, wild carrot, wild pansy, wild radish, wild turnip, willow weed.

Weeds Controlled as Seedlings Only: Cape weed, creeping mallow, cut-leaved geranium, docks, daisies, fennel, spurrey, willow weed.

2,4-D POWER Does Not Control: Field chickweed, cleavers, grasses, hydrocelye, stinking mayweed, oxalis, prostrate amaranth, parsley pierce, pearlwort, sorrel, staggerweed, stoncrop.

2,4-D POWER may be used for weed control in newly established pastures where weeds are too large for, or not well controlled by MCPB. Do not exceed 1.5kg per hectare. If red clover was sown do not exceed 1kg/ha. Clover should have at least 3 trifoliate leaves, and pastures must be grazed prior to application to remove clover foliage and minimise clover damage. Ensure any nitrogen deficiency is addressed before applying 2,4-D POWER. Apply 2,4-D POWER 3-7 days after the first full grazing. Clover growth will be suppressed for 3-4 months. Application of 2,4-D POWER to ungrazed seedling clovers may result in some plant mortality. Rainfall within 6 hours following application may reduce effectiveness.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural/Compounds) Food Standards.

DIRECTIONS FOR USE:

Crop	DOSAGE RATE kg/ha	NOTES
Wheat Barley Millet Ryeocon	1.0 - 1.5	Apply from 6 leaf stage to jointing (when nodes are visible at the base of the stem). Do not apply to wheat or barley between jointing and flowering. Rapidly growing spring sown cereals should be treated with MCPA. Critical comment: Application to crops outside recommended growth stages or crops stressed due to insect damage or moisture stress may cause serious injury including yield loss. Inspect crops before application to check condition and growth stage.
Oats	1.0	Use only on autumn sown oats and treat in the following spring when plants are fully tillered. Use MCPA on spring sown oats.
Pasture	1.0 - 3.0	Refer to Weeds Controlled Table for guidance. Graze area to be treated to expose weeds and reduce clover leaf. Then leave one week to freshen up before spraying. As treated weeds are more palatable to stock, avoid grazing for 7 days after spraying.

Weeds Controlled in Cereals:

At 1.0kg/ha - fathen, hedge mustard, nettles, shepherd's spue, wild turnip.

At 1.5kg/ha - black nightshade, calandrina, docks (seedlings), thistles.

Checked at 1.5kg/ha - chamomiles, combined, regrowth docks, fumitory, spurrey, stinking mayweed, willow weed, wireweed, yarrow, vetch. For best results use an alternative cereal herbicide.

Weeds Controlled in Pasture:

WEED	DOSAGE RATE kg/ha	GROWTH STAGE	NOTES
Apple of Peru	2.0	Spray young plants	Only susceptible when young.
Bathurst Burr	1.5 - 2.0	Seedlings only	
Black nightshade	1.5 - 2.0	Seedlings	
Bur medick	1.0 - 1.5	Seedlings	
	1.5 - 2.0	Small rosettes	
Charlock	1.5	Rosette stage	
Docks	2.5	2-4 leaf seedlings only	Will not control regrowth from root chips.
Fathen	1.0 - 2.0	Spray pre flowering	
Pennyroyal	1.5 - 2.0	Prior to flowering	Apply in spring after seedling germination.

PLANT BACK PERIODS: 2,4-D has soil activity which may be exacerbated by dry soil conditions. To ensure that susceptible species (e.g. brassicas, grasses, clovers) are not damaged by 2,4-D soil residues, do not plant for 4 weeks after application.

APPLICATION: Aerial application. Read Spray Drift Hazard section of this label.

High Volume Spray Treatment: Use 500g/100 litres water with a pressure of 600-800kPa and a No. 4 tip and apply as a fine wetting spray. Spraymaker dye can be used to identify treated plants.
 Knapsack: Use 50g/10 litres water.

CONDITIONS OF SALE: The use of 2,4-D POWER being beyond the control of the suppliers, no warranty expressed or implied is given by Global Agrichem Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not, and Global Agrichem Ltd accept no responsibility whatsoever resulting from the use of this product.
 Registered pursuant to the ACVM Act 1997, P9107. See www.foodsafety.govt.nz for registration conditions. Approved under the HSNO Act 1996, HS100573. See www.epa.govt.nz for Controls.

REGISTERED PROPRIETOR:

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GLOBAL AGRICHEM

Batch No:

Date of Manufacture:

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